

# LS-6004

## LS-Series 4 Channel Power Amplifier

Full power delivery to all 4 channels driven simultaneously loaded 4 ohms. Very useful and versatile multimode amplifiers, suited for large scale touring point source or line array systems. Equally suited in less demanding bass applications. Very installation friendly and ideal for bi amp stage monitoring systems or multi point theatre installations. Proprietary high efficiency FFA class D output stage coupled with high current switch mode supply enables high power delivery even in the harshest environmental conditions.

## Features

- FFA Class D technology
- Power supply soft start
- Power efficient and cool running
- Analog filter option card with limiter threshold and delay - ideal for stage monitor systems.
- High current switch mode power supply.
- Side chain TCA clip limiter.
- Rugged tour class aluminium construction.
- Hand constructed and designed in England.
- Bi amp Neutrik speakON outputs.
- Signal link through.
- Neutrik powerCON power input.
- Lightweight 9KG.
- 5 year factory warranty.



**logic systems**  
PRO AUDIO

T +44 (0) 1427 611791  
F +44 (0) 1427 677008  
E [sales@logicsystems.co.uk](mailto:sales@logicsystems.co.uk)  
W [www.logicsystems.co.uk](http://www.logicsystems.co.uk)

Units 5 & 6 Sandars Road, Heapham Road Industrial Estate, Gainsborough, Lincs, DN21 1RZ

# LS-6004

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### TECHNICAL SPECIFICATION

## LS-6004

Power Rating	4 x 800w RMS @ 8 Ohm, 4 x 1500w RMS @ 4 Ohm
Gain	32 dB
THD	Typical 0.05 4 Ohm 1kHz THD+N
Frequency Response	20Hz - 20kHz +- 0.5dB
Controls	40 Point Potentiometer per channel, power on switch
Indicators	Signal green = -20dB, Signal yellow = -3dB, Signal red = Clip, Signal red protect = Over current, Low AC mains or 3 sec. Mute on power up
Load Protection	DC on output, side chain TCA clip limiter circuit
Amplifier Protection	Short circuit, current overload, thermal shutdown, high frequency stability circuit
Audio Signal Inputs	Balanced Neutrik Female XLR input connected Pin 1 - GND, Pin 2 - Hot +, Pin 3 - Cold -. XLR Male signal throughput each channel
Audio Signal Outputs	Neutrik speakon each channel. Channels 1 & 3 output speakon utilises 2+ & 2- connection to allow use of 4 core loudspeaker cable for bi amp loudspeaker system for example stage monitor system
Power Requirement	1 x Neutrik 20A powercon connector 1 x 16A 240 VAC Circuit. Power range 185V-240VAC
System Cooling	High CFM 80mm fan with proportional signal speed control. Rear to front airflow
Dimensions	88mm Height x 483mm Width x 510mm Depth. Includes rear rack support. 19" rack mount enclosure
Weight	9 kg



• Rev: 4



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